



12-22-04

IFW

EXPRESS MAIL NO. EV 565664215 US

PATENT APPLICATION

Docket No: 15689.49.5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of		)	
		)	
	Takehiro Nakamura et al.	)	
		)	
Serial No.:	10/673,658	)	Art Unit
		)	2634
		)	
Filed:	September 29, 2003	)	
		)	
For:	BASE STATION IN MOBILE	)	
	COMMUNICATION SYSTEM	)	
		)	
Customer No.:	022913	)	

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.97

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record

believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each of the listed references or relevant portion thereof is also enclosed.

Since all listed references are either in the English language or are accompanied by a translation into English, no concise explanation of relevance is required under 37 C.F.R. § 1.98(a)(3).

DATED December 21, 2004.

Respectfully submitted,



Adrian J. Lee  
Attorney for Applicant  
Registration No. 42,785  
Customer No. 022913

AJL: ds  
DS0000002911V001

DEC 21 2004  
PATENT & TRADEMARK OFFICE

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
15689.49.5

In Re Application: **Takehiro Nakamura et al.**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/673,658	9/29/2003	-	022913	2634	-

Title:

**BASE STATION IN MOBILE COMMUNICATION SYSTEM**

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **23-3178** as described below.
- ☐ Charge the amount of \_\_\_\_\_
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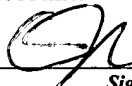
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on \_\_\_\_\_

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(Date)

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Typed or Printed Name of Person Mailing Certificate

**\*This certificate may only be used if paying by deposit account.**



Signature

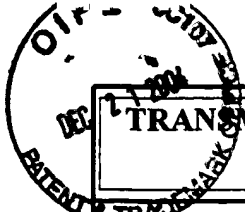
Dated: December 21, 2004

Adrian J. Lee

Registration No.: 42,785

Attorney for Applicant

CC:



**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
15689.49.5

In Re Application Of: **Takehiro Nakamura et al.**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/673,658	9/29/2003	-	022913	2634	-

Title:

**BASE STATION IN MOBILE COMMUNICATION SYSTEM**

Address to:  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

**OR**

☐ the fee set forth in 37 CFR 1.17(p).

DEC 21 2004  
PATENT

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Takehiro Nakamura et al.

Docket No.

15689.49.5

Application No.

10/673,658

Filing Date

September 29, 2003

Examiner

-

Customer No.

022913

Group Art Unit

2634

Invention: **BASE STATION IN MOBILE COMMUNICATION SYSTEM**

I hereby certify that the following correspondence:

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is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

December 21, 2004

*(Date)*

**Adrian J. Lee**

*(Typed or Printed Name of Person Mailing Correspondence)*

  
*(Signature of Person Mailing Correspondence)*

**EV 565664215 US**

*("Express Mail" Mailing Label Number)*

**Note: Each paper must have its own certificate of mailing.**

Transmittal for Information Disclosure Statement (1 page; duplicate);  
Information Disclosure Statement Under 37 C.F.R. § 1.97 ( 2 pages);  
Form PTO-1449 Listing of References (2 page);  
Legible Copy of References ( 10 references);  
Certificate of Express Mail (EV565664215US);  
Acknowledgment Postcard



## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

15689.49.5

Application Number

10/673,658

Applicant(s)

Takehiro Nakamura, et al.

Filing Date

9/29/2003

Group Art Unit

2634

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1	5,265,119	11/23/1993	Gilhousen et al.	375	1	5/17/1991

## U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	2	0 681 406 A1	11/8/1995	Europe	H04Q7	24	✓	
	3	0 534 612 A2	3/31/1993	Europe	H04Q7	04	✓	
	4	0 490 554 A2	6/17/1992	Europe	H04Q7	04	✓	
	5	WO 97/07600	2/27/1997	WIPO	H04B7	005	✓	
	6	WO 96/27269	9/6/1996	WIPO	H04Q7	30	✓	

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. <b>15689.49.5</b>		APPLICATION NO. <b>10/673.658</b>		
				APPLICANT(S) <b>Takehiro Nakamura et al.</b>				
				FILING DATE <b>September 29, 2003</b>		GROUP ART UNIT <b>2634</b>		
<b>U.S. PATENT DOCUMENTS</b>								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<b>U.S. PATENT APPLICATION PUBLICATIONS</b>								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	7	EP 0 758 168 A1	2/12/1997	Europe	H04J13	04	✓	
	8	WO 95/31879	11/23/1995	WIPO	H04Q7	22	✓	
	9	EP 0652650 B1	5/10/1995	Europe	H04B7	26	✓	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
		10	Multirate Spread Spectrum Direct Sequence CDMA techniques XP 000570787 H. Azad, A.H.Aghvami 1994					
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.